

**AN INFINITELY VARIABLE CONTINUOUS RECLINER MECHANISM FOR
VEHICLE SEATS AND SIMILAR APPLICATIONS**

Abstract of the Disclosure

A seat recliner mechanism for a seat having a seat cushion and a reclinable squab includes a stationary hinge member (1) connectable with the seat cushion, an adjustable hinge member (2) connectable with the squab and an angular position adjuster in the form of a wobble gear mechanism. The wobble gear mechanism includes an inner gear (7) connected to one of the hinge members (1), an outer gear (10) connected to the other hinge member (2) and an eccentric rotatable drive element (5) for causing eccentric rotation of the inner gear (7) within the outer gear (10). The outer gear (10) has one more tooth than the inner gear (7) and the inner and outer gears have conformal tooth profiles, whereby all but one of the teeth on the inner gear (7) engage with teeth on the outer gear (10).